

Product characteristics

Inductive sensor

Metal thread M18 x 1

M12 connector

Increased sensing range

Sensing range 8 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Range

Sensing range [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication LED

AC/DC

20...140 AC/DC

II

yes

normally open

< 6.5 AC / < 6 DC

5

< 1

200; for UL application: 100 AC / 100 DC

\hat{i} : 1.2 A (20 ms / 0.5 Hz) **

pulsed

yes

25 AC / 100 DC

8

0...6.48

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2

3...15

-25...70

IP 67

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD
 EN 61000-4-3 HF radiated: 10 V/m
 EN 61000-4-4 Burst: 2 kV
 EN 61000-4-5 Surge: 1 kV (line to line, Ri: 20hm)
 EN 61000-4-6 HF conducted: 10 V
 EN 55011 (Emission): class B

400

flush mountable

Brass white bronze coated; active face: PBT

0.051

Red

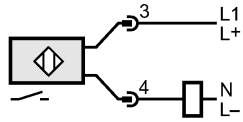
IG0402 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

M12 connector

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Remarks

**) for UL application: \hat{i} : 0.9 A (20 ms / 0.5 Hz)

Pack quantity

[piece]

1